



**VOLUNTARY REMEDIATION PROGRAM  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

**PROJECT SUMMARY**

<b>Site Name:</b>	Frick Services, Parcel #11
<b>Applicant's Name:</b>	Mr. Merrill Frick
<b>Site Location:</b>	679 North Emerson Avenue Greenwood Johnson County
<b>VRP Site Number:</b>	6991204
<b>Project Manager:</b>	Ruth Williams
<b>Date Application Received:</b>	December, 1999
<b>Date Project Completed:</b>	May, 2001
<b>Project Duration:</b>	1 years, 5 months
<b>Contaminant Group(s):</b>	Semi-volatile organic compounds (SVOCs), benzene, toluene, ethylbenzene, and xylenes (BTEX)
<b>Media Cleaned Up:</b>	Surface soil, subsurface soil, groundwater
<b>Cleanup Goals Achieved:</b>	Tier II Nonresidential (VRP Resource Guide, 1996)
<b>Deed/Land Use Restrictions:</b>	Nonresidential land use only

**Project Description:** This site was originally farm land, and in 1930 it became a crude oil pipeline terminal. Two 10-inch pipelines transporting oil from Oklahoma transected the site, and there were three above-ground storage tanks and a valving station on site. After the oil pipeline was abandoned, the facility was converted to a fertilizer storage and distribution terminal. Between 1986 and 1993, all tanks were removed. In 1994, 2,500 yd<sup>3</sup> of petroleum-contaminated soil were placed in 15 on-site treatment cells, where bioremediation was performed through 1995, including weekly soil aeration and soil amendment with liquid manure and urea ammonium nitrate. Other site remediation activities involved excavation and removal of equipment and petroleum-contaminated soils for off-site disposal. Excavated areas have been backfilled with clean material, the site is vegetated, and debris and materials from the pipeline and oil-water separator removal activities have been disposed of off site.